

## A B S T R A C T

A metering machine comprising a frame receiving a  
hopper, at least one duct opening out into the hopper in  
5 the vicinity of a bottom thereof and receiving firstly a  
portion of a transfer screw extending at the bottom of  
the hopper, and at least one metering cylinder which  
slidably receives a suction and delivery piston and which  
is connected to the duct via a plug valve, wherein the  
10 metering cylinder and the duct have axes forming an angle  
of approximately at least  $90^\circ$  between them.